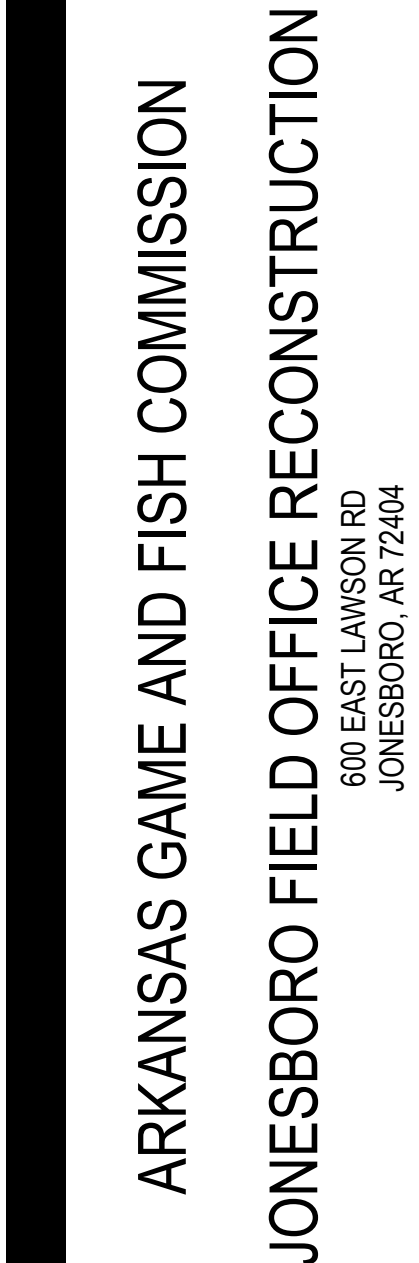




ELECTRICAL PANEL DIAGRAMS AND SCHEDULES

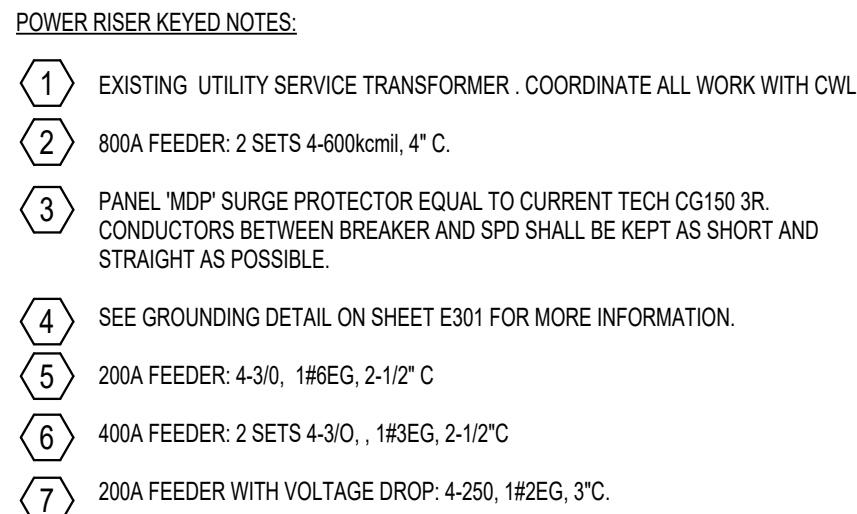
NO.	DATE	DESCRIPTION
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25-065

07.30.2026

ISSUE

E401



1 POWER RISER DIAGRAM

Panelboard:

'L'

VOLTAGE: 120/208 Wye

COPPER BUS RATING: 225 A

MAINS TYPE: MLO

LOCATION: ELEC. 108

PHASE: 3

GROUND BUS: YES

MCB RATING: N/A

MOUNTING: SURFACE

WIRES: 4

MINIMUM A.I.C. RATING: 22

FED FROM: 'MDP'

ENCLOSURE:

TYPE 1

MFR. AND TYPE:

SQUARE D NQ

SUBFEED LUGS:

NEUTRAL RATING:

100% UNLESS OTHERWISE

Circuit Number	Load Name	BRKR	A		B		C		BRKR	Load Name	Circuit Number
1	RECP1 - FSH OFFICE 117	20A/1P	900	180					20A/1P	"RECP1 - JAN. 115"	2
3	"RECP1 - BREAK ROOM 105"	20A/1P			180	600			20A/1P	"EWC"	4
5	"ACP	20A/1P					500	720	20A/1P	"RECP1 - SHOP 113"	6
7	"LCP"	20A/1P	600	720					20A/1P	"SCOPE - FSH LAB 116"	8
9	RECP1 - CONF. RM 103	20A/1P			1080	900			20A/1P	"EXTERIOR RECP1"	10
11	RECP1 - OPEN WRK AREA 102	20A/1P					900	900	20A/1P	RECP1 - ENF. OFFICE 122	12
13	"REF - FSH LAB 116"	20A/1P	1000	1200					20A/1P	PRINTER	14
15	RECP1 - OPERATIONS 111	20A/1P			1080	1600			20A/1P	"DIS - FSH LAB 116"	16
17	"REF - BRK ROOM 105"	20A/1P					1000	1080	20A/1P	RECP1 - CONF. RM 103	18
19	"DIS - BRK ROOM 105"	20A/1P	1600	360					20A/1P	LOBBY 100/ELEC 108	20
21	RECP1 - IT 102	20A/1P			360	360			20A/1P	"RECP1 - WMN/EN 106-107"	22
23	RECP1 - IT 102	20A/1P					360	360	20A/1P	ATTIC RECP1	24
25	"RECP1 - FSH LAB 116"	20A/1P	360	500					20A/1P	"FACP"	26
27	POWERED DOOR 113B	20A/1P			500	540			20A/1P	RECP1 - LOBBY 100	28
29	POWERED DOOR 113C	20A/1P					500	540	20A/1P	RECP1 LOBBY/BRK ROOM 100-105	30
31	RECP1 - CONF. ROOM 103	20A/1P	540	540					20A/1P	"RECP1 - BRK ROOM 105"	32
33	"RECP1 - SHOP 113"	20A/1P			540	720			20A/1P	"RECP1 - STRGE 104-114-127"	34
35	RECP1 - CONF ROOM TV	20A/1P					540	720	20A/1P	RECP1 - WL OFFICE 118	36
37	RECP1 - ENF. OFFICE 123	20A/1P	720	900					20A/1P	RECP1 - PRIV. LAND 109	38
39	RECP1 - WL OFFICE 119	20A/1P			900	900			20A/1P	RECP1 - FSH OFFICE 124	40
41	RECP1 - OFFICE 125	20A/1P					900	800	20A/1P	SITE LIGHTING	42
43	EXTERIOR LIGHTING	20A/1P	175	800					20A/1P	SITE LIGHTING	44
45	LIGHTING	20A/1P			1425	1200			20A/1P	SITE LIGHTING	46
47	LIGHTING	20A/1P					1641	1200	20A/1P	SITE LIGHTING	48
49	LIGHTING	20A/1P	1368						20A/1P		50
51											52
53											54
55											56
57											58
59											60
61	SPARE	20A/1P	0	0					20A/1P	SPARE	62
63	SPARE	20A/1P			0	0			20A/1P	SPARE	64
65	SPARE	20A/1P					0	0	20A/1P	SPARE	66
67	SPARE	20A/1P	0	0					20A/1P	SPARE	68
69	SPARE	20A/1P			0	0			20A/1P	SPARE	70
71	SPARE	20A/1P					0	0	20A/1P	SPARE	72

Total Load: 12463 VA

Total Amps: 104 A

12885 VA

108 A

12661 VA

106 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals			
Lighting	9233 VA	125.00%	11541 VA	Total Connected Load:	38009 VA		
	26800 VA	68.66%	18400 VA			Total Estimated Demand:	32167 VA
	342 VA	100.00%	342 VA			Total Connected Current:	106 A
Receptacles	0 VA	0.00%	0 VA	Total Est. Demand Current:	89 A		
HVAC	634 VA	100.00%	634 VA				
Kitchen Non Residential	0 VA	0.00%	0 VA				
Other	0 VA	0.00%	0 VA				
Motor	0 VA	0.00%	0 VA				
Largest Motor Load	0 VA	0.00%	0 VA				
Existing Load	0 VA	0.00%	0 VA				

Notes:

" DENOTES GFI CIRCUIT INTERRUPTOR BREAKER *

** DENOTES ARC FAULT CIRCUIT INTERRUPTOR BREAKER **

*** DENOTES COMBINATION AFCI/GFCI CIRCUIT BREAKER ***

Panelboard:			'M'		VOLTAGE: 120/208 Wye			COPPER BUS RATING: 400 A			MAINS TYPE: MLO	
LOCATION: ELEC. 108			PHASE: 3			GROUND BUS: YES			MCB RATING: N/A			
MOUNTING: SURFACE			WIRES: 4			MINIMUM A.I.C. RATING: 22			FED FROM: 'MDP'			
ENCLOSURE:		TYPE 1	MFR. AND TYPE:		SQUARE D NQ	SUBFEED LUGS:			NEUTRAL RATING:		100% UNLESS OTHERWISE	
Circuit Number	Load Name	BRKR	A		B		C		BRKR	Load Name	Circuit Number	
1	*CP-1*	20A/1P	180	1200					20A/1P	**EF-4**	2	
3	AH-3	45A/2P			4472	4472			45A/2P	AH-4	4	
5							4472	4472			6	
7	MSCU-1	15A/2P	1487	5408					60A/2P	AH-1	8	
9					1487	5408					10	
11	AH-2	60A/2P					5408	500	20A/1P	**EH-7**	12	
13			5408	500					20A/1P	**EH-5**	14	
15	**EH-6**	20A/1P			500	1667					16	
17							1667	1667	60A/3P	EH-1	18	
19	EH-2	60A/3P	1667	1667							20	
21					1667	1667					22	
23							1667	1667	60A/3P	EH-3	24	
25	EH-4	60A/3P	1667	1667							26	
27						1667	1981				28	
29							1981	1981	25A/3P	*HP-3*	30	
31	*HP-4*	25A/3P	1981	1981							32	
33					1981	2000			25A/3P	*WH-1*	34	
35							2462	2000			36	
37	*HP-1*	35A/3P	2462	2000							38	
39					2462	2482					40	
41								2462	35A/3P	*HP-2*	42	
43			2462								44	
45											46	
47											48	
Total Load:			31736 VA		33892 VA		32405 VA					
Total Amps:			264 A		283 A		271 A					
Load Classification	Connected Load	Demand Factor	Estimated Demand		Panel Totals							
Lighting	0 VA	0.00%	0 VA		Total Connected Load:		98034 VA					
Receptacles	180 VA	100.00%	180 VA		Total Estimated Demand:		98034 VA					
HVAC	0 VA	0.00%	0 VA		Total Connected Current:		272 A					
Kitchen Non Residential	0 VA	0.00%	0 VA		Total Est. Demand Current:		272 A					
Other	0 VA	0.00%	0 VA									
Motor	0 VA	0.00%	0 VA									
Largest Motor Load	0 VA	0.00%	0 VA									
Existing Load	0 VA	0.00%	0 VA									
Notes:			**INDICATES GFI BREAKER** **INDICATES LOCKOUT/TAGOUT**									

